ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.
Attorney Docket No.: 018360/260844

Sample Set of Modified Rush Hour Travel Speeds

Geographic Area/Road Segment	Normal Travel Speed	Travel Speed during Time Window #1	Travel Speed during Time Window #2	Travel Speed during Time Window #3
Road 1 in Area 1	45 mph	31.5 mph (30% slower)	36 mph (20% slower)	31.5 mph (30% slower)
Road 2 in Area 1	50 mph	35 mph (30% slower)	40 mph (20% slower)	35 mph (30% slower)
Road Segment X	30 mph	20 mph (30% slower)	0 mph (Travel restriction)	20 mph (30% slower)
Road Segment Y	65 mph	45.5 mph (30% slower)	0 mph (Travel restriction)	45.5 mph (30% slower)
All Areas and Roads to which no	Normal Speed	Normal Speed	Normal Speed	Normal Speed
new traffic rules were			·	
defined to apply.				

FIG. 1

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

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Travel Matrix for "Normal" Traffic Conditions

	Location 1	Location 2	Location 3	Location 4
		10 minutes	15 minutes	20 minutes
Location 1	2 miles 3 miles	3 miles	4 miles	
<u> </u>	10 minutes		5 minutes	10 minutes
Location 2	2 miles	1 mile 2	2 mile	
T 4: 3	15 minutes	5 minutes		5 minutes
Location 3	3 miles	1 mile		1 mile
Location 4	20 minutes	10 minutes	5 minutes	
	4 miles	2 miles	1 mile	

FIG. 2A

Travel Matrix for a Particular Time Window with a 20% Slower Speed Variation

	Location 1	Location 2	Location 3	Location 4	
		15 minutes	18 minutes	24 minutes	
Location 1		3 miles	3 miles	4 miles	
	15 minutes		6 minutes	15 minutes	
Location 2	3 miles		1 mile	2 miles	
· · · · · ·	18 minutes	6 minutes	-	6 minutes	
Location 3	3 miles	1 mile		1 mile	
T 4 4	24 minutes	15 minutes	6 minutes		
Location 4	4 miles	2 miles	1 mile		

FIG. 2B

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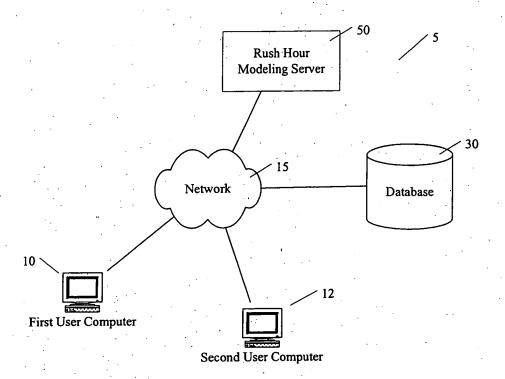


FIG. 3

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

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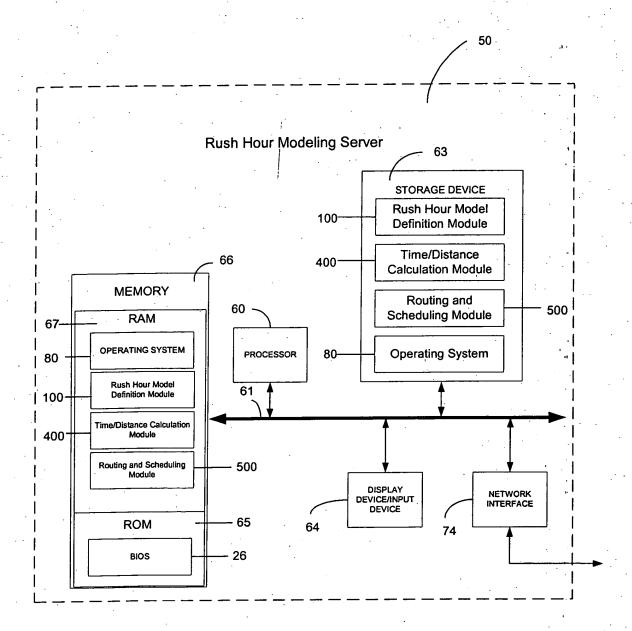


FIG. 4

Title of Invention: RUSH HOUR MODELING FOR ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al. Attorney Docket No.: 018360/260844

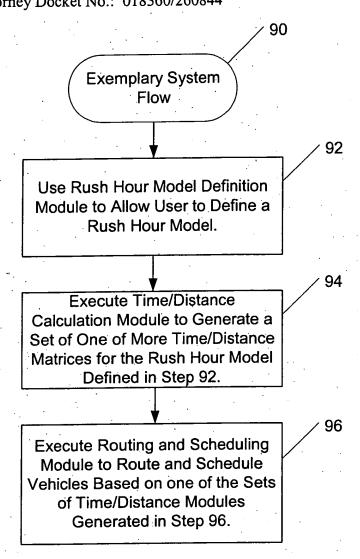


FIG. 5

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

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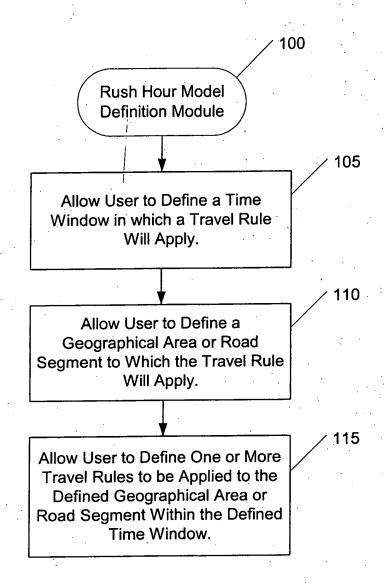


FIG. 6

Title of Invention: RUSH HOUR MODELING FOR ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

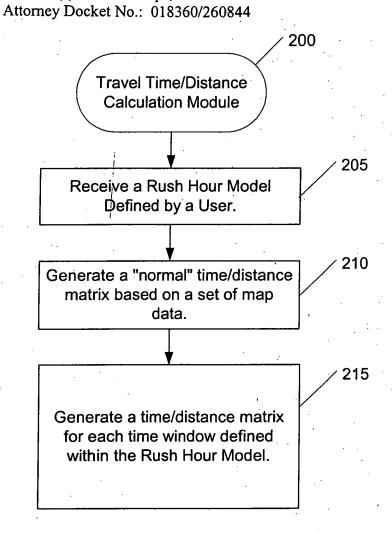


FIG. 7

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

Attorney Docket No.: 018360/260844

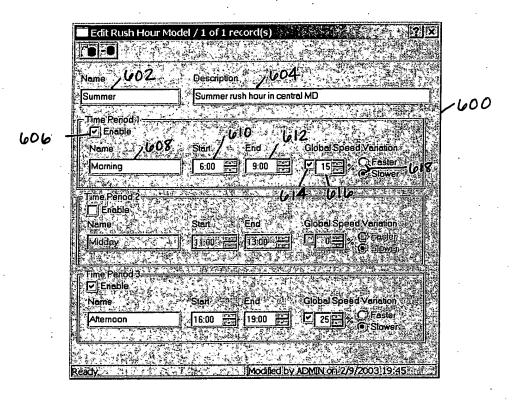


FIG. 8

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

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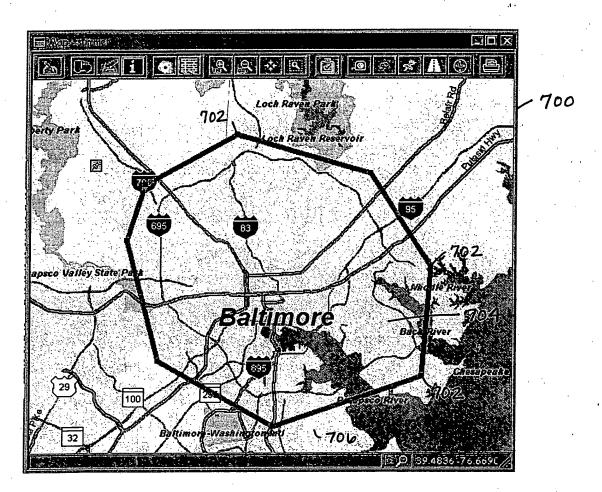


FIG. 9

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

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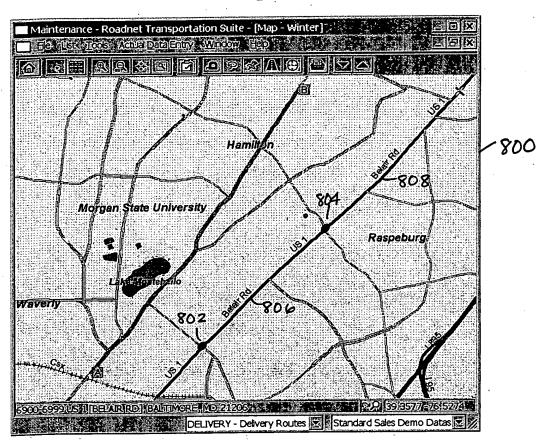


FIG. 10

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

Attorney Docket No.: 018360/260844

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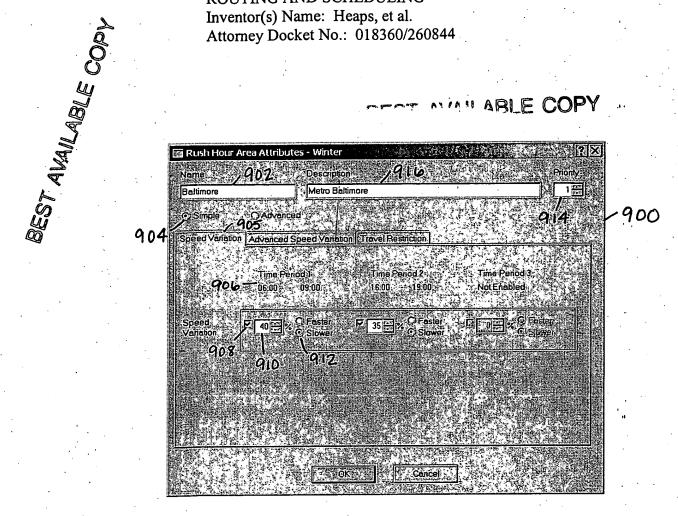


FIG. 11

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

Attorney Docket No.: 018360/260844

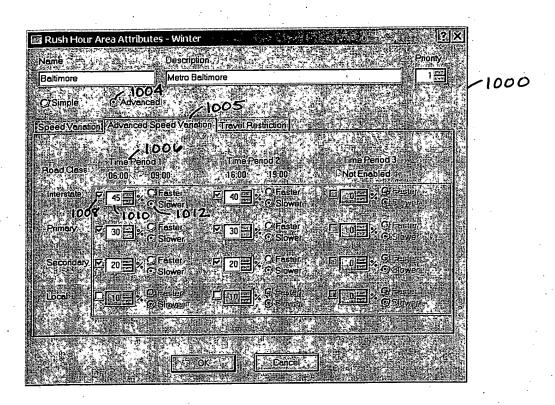


FIG. 12

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

Attorney Docket No.: 018360/260844

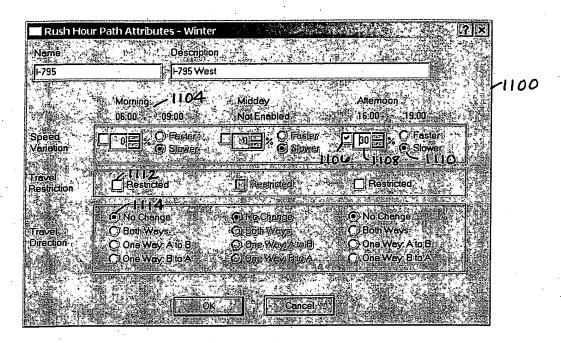
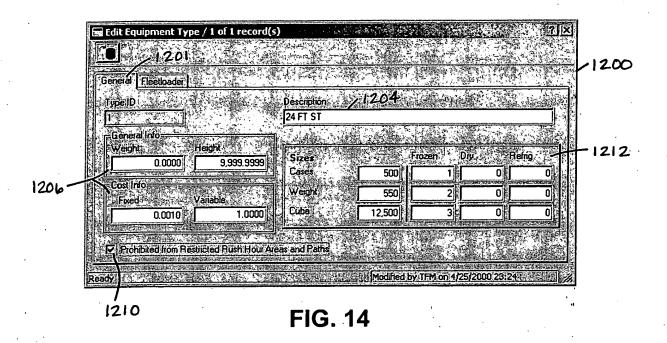


FIG. 13

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

Attorney Docket No.: 018360/260844



ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al. Attorney Docket No.: 018360/260844

Metro Baltimore	I A	ea enclosing Balt. Beltway	1		
C) Simple	(a) Advanced				1300
Speed Variation	Advanced Speed	Variation Travel Restriction			
Road Class	Moming 6000000000000000000000000000000000000	∠1308 Midday NgiEnabled N	Atternoon - 1	9.00	
Interstate	Restricted	(Reanded	Restric	ted .	
Primary	//1310 ☑ Restricted		Restric	ted	
Secondary	Restricted	- E Resnicted	<u></u> Restric	led	
Local and Ramps	▼ Restricted	(Besnaka)	V Restric	ed	
	All	neck on this page means restric	All.		
	312.	nnot use roads of that class dun	ng that time penod		

FIG. 15

ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al.

Attorney Docket No.: 018360/260844

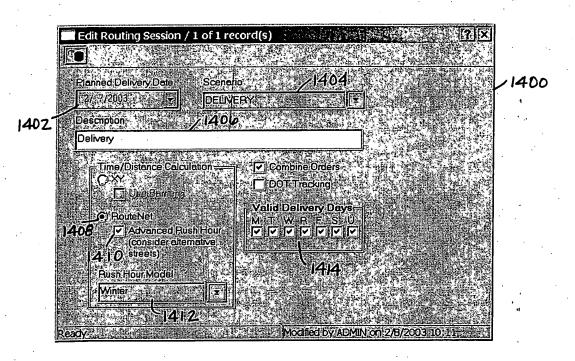


FIG. 16

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Title of Invention: RUSH HOUR MODELING FOR ROUTING AND SCHEDULING Inventor(s) Name: Heaps, et al. Attorney Docket No.: 018360/260844

WAILABLE COPY

	None (A. A. Carlos)				15
Name * 1	Descriptions 2018	Advanced	User Modified	Date Modified	
Holiday	Rush hour for holidays		ADMIN	2/9/2003 19:46	
Summer	Summer rush hour in central MD		ADMIN	2/9/2003 19:45	
Winter	Winter rush hour in central MD		ADMIN	2/9/2003 19:54	青
	4		·		
			· ·		
3					
Hall Sec			7,7,7,0,0,0		4 5 6

FIG. 17